




# Evangelos Lamprou

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Education	<b>Ph.D. in Computer Science</b> Brown University Advisor: Prof. Nikos Vasilakis	Aug. 2025–now
	<b>Diploma in Electrical and Computer Engineering</b> University of Patras Advisor: Prof. Christos Fidas	Oct. 2018–July 2023
Experience	<b>Software Engineer</b> Demant A/S • Developed a clang-query-based static analysis tool for discovering ignored error codes. • Discovered and fixed 100+ bugs, including a major defect in the company’s charger firmware. • Implemented error handling framework within driver and kernel code (600k+ loc).	Sept. 2023–Aug. 2024 Copenhagen CR, Denmark
	<b>Software Engineer (Erasmus+ Placement)</b> Bionos Biotech S.L • Developed a data pipeline to extract and group animal and plant species based on metabolite profiles towards cosmetic applications using Python, Selenium, and Bash. • Automated gene expression analysis by building two tools in R and Python, replacing the lab researcher’s manual processing workflows.	June 2022–Aug. 2022 Valencia, Spain
Publications	Peer-reviewed Publications	
	C1. <a href="#">The Koala Benchmarks for the Shell: Characterization and Implications</a> . <b>Evangelos Lamprou</b> , Ethan Williams, Georgios Kaoukis, Zhuoxuan Zhang, Michael Greenberg, Konstantinos Kallas, Lukas Lazarek, Nikos Vasilakis. <i>USENIX ATC '25</i> . 2025. <a href="#">[code]</a>	
	C2. <a href="#">Investigating Applicability Heuristics of Answer Set Programming in Game Development: Use Cases and Empirical Study</a> . <b>Evangelos Lamprou</b> , Christos Fidas. <i>ACM CHI Greece '23</i> . 2023. <a href="#">[code]</a>	
	C3. <a href="#">Guarding LLM-aided Software Transformation Tasks via Component Exoskeletons</a> . <b>Evangelos Lamprou</b> , Christian Gram Kalhauge, Martin C. Rinard, Nikos Vasilakis. <i>PACMI '25</i> . 2025	
	C4. <a href="#">From Ahead-of- to Just-in-Time and Back Again: Static Analysis for Unix Shell Programs</a> . Lukas Lazarek, Seong-Heon Jung, <b>Evangelos Lamprou</b> , Zekai Li, Anirudh Narsipur, Eric Zhao, Michael Greenberg, Konstantinos Kallas, Konstantinos Mamouras, Nikos Vasilakis. <i>ACM HotOS '25</i> . 2025. <a href="#">[press1]</a> <a href="#">[press2]</a>	
	Preprints	
	P1. <a href="#">Caruca: Effective and Efficient Specification Mining for Opaque Software Components</a> . <b>Evangelos Lamprou</b> , Seong-Heon Jung, Mayank Keoliya, Lukas Lazarek, Konstantinos Kallas, Michael Greenberg, Nikos Vasilakis. <i>arXiv 2510.14279</i> . 2025	
	P2. <a href="#">Lexo: Eliminating Stealthy Supply-Chain Attacks via LLM-Assisted Program Regeneration</a> . <b>Evangelos Lamprou</b> , Julian Dai, Grigoris Ntousakis, Martin C. Rinard, Nikos Vasilakis. <i>arXiv 2510.14522</i> . 2025	
	P3. Controlling Component Side Effects with ef. Tianyu (Ezri) Zhu, Di Jin, Grigoris Ntousakis, Georgios Liargkovas, <b>Evangelos Lamprou</b> , Calvin Eng, Konstantinos Kallas, Michael Greenberg, Nikos Vasilakis. <i>In preparation</i> . 2025. <a href="#">[code]</a>	

Service	<b>Organizer</b> Brown Systems Week	Oct. 2025–Present Providence, RI
	<b>Web &amp; publication co-chair</b> 18th European Workshop on Systems Security (EuroSec 2025)	March 2025
	<b>Web &amp; publication co-chair</b> 17th European Workshop on Systems Security (EuroSec 2024)	April 2024
Honors & Awards	<b>USENIX ATC’25 Best Paper Award</b>	July 2025
	<b>Urbit Assembly Hackathon Honorable Mention</b>	Nov. 2023
	<b>Huawei “Seeds for the Future” Scholarship</b> Awarded for contribution to the University of Patras ECE department.	June 2023
	<b>NAM Lab IoT Hackathon, 1st Place</b> Participated solo in <a href="#">NAM</a> Lab’s first IoT Hackathon.	May 2023
	<b>IEEE Xtreme 16.0 Competition</b> Placed globally at the top 4% among 6373 teams. Team name: “notWizards”.	Oct. 2022
	<b>Student/Travel Grants:</b> ACM SOSP’25, USENIX ATC’25	2025–2026
Teaching	<b>Teaching Assistant</b> Brown University <i>Systems Transforming Systems</i> (CS2952R) (Graduate level, 25 students) Instructor: Prof. Nikos Vasilakis <ul style="list-style-type: none"> <li>• Mentored three students (two undergraduates, one graduate) on a semester-long research project (to be submitted at OSDI’26).</li> <li>• Gave lectures on advanced benchmarking methodologies, application of large language models on academic writing, and software artifact preparation.</li> </ul>	Sept. 2024–Dec. 2024 Providence, RI, USA
	<b>Teaching Assistant</b> University of Patras <i>Operating Systems</i> (ECE CK702) (MSc level, 141 students), Instructor: Prof. Christos Fidas <ul style="list-style-type: none"> <li>• Created assignments on developing <i>Linux Kernel Modules</i> and experimenting with the <i>xv6 Kernel</i>. Exercises have been integrated into the course’s curriculum. <a href="#">[material]</a></li> </ul>	Sept. 2022–Oct. 2023 Patras, Greece

*Last updated: December 29, 2025*